

Specification ferric-III-chloride solution

technical information

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Description:

The material is in the form of a concentrated, dark brown, clear ferric chloride solution. It is used in water treatment, waste water treatment and for treatment of industrial waste water as coagulant and flocculant, and as an etchant for the pcb industry or miniature etching parts production. IRON (III) CHLORIDE solution 40% contains according to the recipe, no organic chlorine compounds and provides no contribution so far to the corresponding parameters in iron (III) chloride treated water. The above product meets the requirements of Annex 40 Point 2.7.3 of the waste water management regulations. Moreover meets IRON (III) CHLORIDE solution 40% the requirements of DIN EN 888 iron (III) chloride for treatment of water intended for human consumption, including food regulations, in particular the Food and Commodities Act (LMBG) and the Drinking Water Ordinance (TrinkwV)

Chem. formula $\text{FeCl}_3(+\text{H}_2\text{O})$

Chemical composition:

active substance	ca. 2,5 mol Fe/k
Fe _{ges}	13,8 ± 0,2 %
	138 g ferric pro kg
	200 g ferric pro l
density	1,43 ± 0,02 g/cm ³
Viscosity (20°C)	10 mPas
Viscosity (0°C)	24 mPas
pH	<1
Begin of crystallization	- 13°C

Packaging

liquid in cans / bottles suited for dangerous goods

Transport and storage

The material safety data sheet informs on further product features, provides guidance on risk assessment and the regulations to be observed and describes the necessary precautions while handling the product to protect humans and the environment.